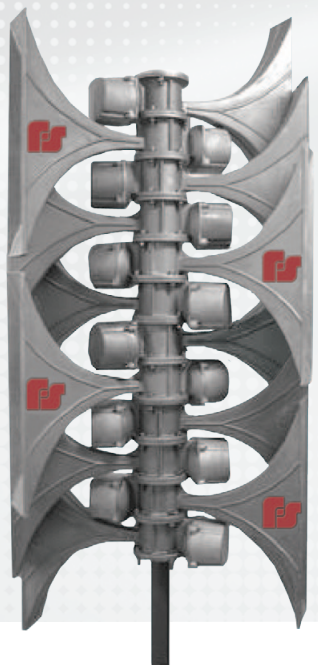
THOR Euro/Asian Electronic Siren

Features

- **Produces high intensity signals**
- **Tested Federal Signal's certified anechoic chamber**
- **Easy servicing and driver replacement**
- **Omni-directional and directional configurations**
- **109 to 124dBC at 30m (100ft)**
- **Optimized for use with the UltraVoice Electronic Controller**
- **Excellent voice reproduction and multiple tones available**
- **Easily installed on rooftops or poles**



Federal Signal's THOR siren series delivers high intensity warning signals over a large area. When combined with the UltraVoice Electronic Siren Controller, the unique design enables the siren to produce omni-directional signals and voice messages while making moderate demands on the battery power source.

Designed for durability and reliability, the all-aluminum construction utilizes opposing speakers. The speaker array utilizes 100-watt neodymium speaker drivers produced by Federal Signal, and designed to withstand the demanding use of public warning. The speaker and driver are highly efficient and provide highly effective voice and tone reproduction.

The THOR speaker array provides clear voice reproduction and can produce multiple alert tones. THOR is available in various models from 109dB to 124dB. The array can be configured in both a directional and 360 degree pattern.

The design allows for easy field assembly and requires minimum infrastructure. The lightweight and robust design makes THOR a perfect product for installation on rooftops and other structures, and ideal for locations where people congregate outdoors, or in seating where immediate instruction and multiple tones are required.

DATA SHEET

FEDERAL SIGNAL
Safety and Security Systems
Advancing security and well being.

2645 Federal Signal Drive, University Park, IL 60484 708.534.4756 Fax: 708.534.4874 www.alertnotification.com

THOR Euro/Asian Electronic Siren

Specifications

Power Requirements*	
Siren Motor	48V (DC or full wave rectified AC) 110A (nom.)
Rotator Motor	48V (DC or full wave rectified AC) 1A (nom.)
Wiring	
Siren Motor	2 AWG
Rotator Motor	12 AWG
Motor Type	
Siren	Series wound DC 6 Hp
Rotator	Permanent magnet DC 1/8 Hp
Horn Material	
	Maintenance-Free/Non-Corrosive Aluminum

Signal Information		
Signal	Frequency Range	Sweep Rate
Steady	350 Hz - 1500Hz	N.A.
Wail	470-705 Hz	10 sec.
Fast Wail	600-705 Hz	3.5 sec.
Signal Duration	3min. std. (programmable)	
Signal Output (SPL)	130 dB(C) +/- 1 dB(C) at 100' (30.5 m)	
Effective Range at 70dBC	6200-ft	
Horizonal Coverage	360o +/- 2dB @ 1KHz	

Dimensions	
Height x Width x Depth	55" x 37" x 41" 140cm x 94cm x 10cm
Weight	
Shipping Weight	____lbs. (____ kg)

Operating Temperature
-30°C to +60°C*

* The siren can operate throughout this temperature range provided that battery temperature is maintained at -18°C or higher.

The above yellow area shows information that is usually in your siren specifications. Should I omit from this data sheet? White areas were included in the original Thor Horn data sheet.
Dar

Ordering Information*

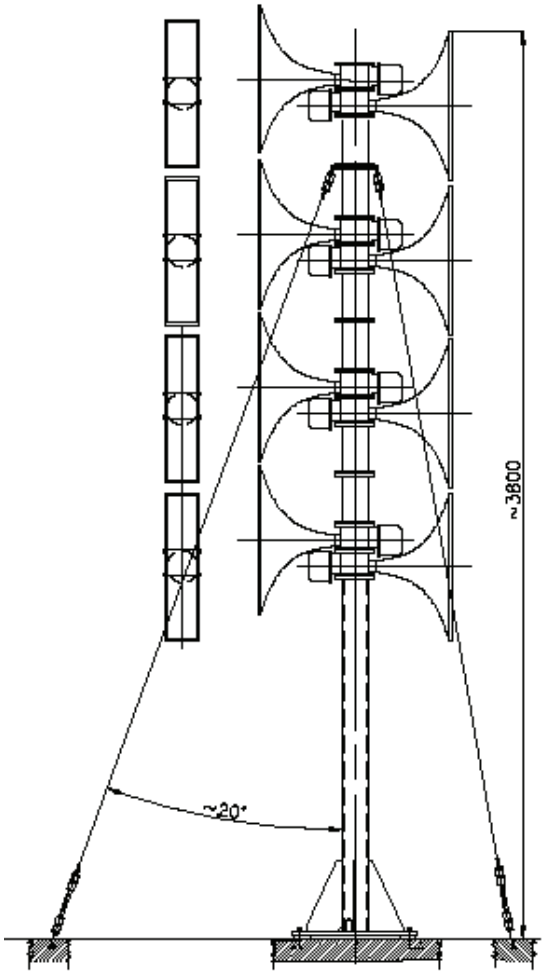
Model	Horns	Amps	Watts	dB(C)
EU-109	4	2	400	109
EU-115	8	2	800	115
EU-118	12	4	1200	118
EU-121	16	4	1600	121
EU-124	24	6	2400	124

Controller Option

UV Siren Control, One-Way, No Radio
UVL, UVH, UVU Siren Control, One-Way, VHF Low or High, UHF Bands
UVT Siren Control, Two-Way DTMF, No Radio
UVTD Siren Control, Two-Way Digital, No Radio
UVTDH, UVTDU Siren Control, Two-Way Digital, VHF (150-174), UHF (450-474)
UV400 400W Amplifier
Standard Models are 120 VAC, add "240" to model name for 240 VAC versions
Stainless Steel (S) Control Cabinets are also available
Batteries and Antenna not included

Options

DV480 Digital Voice Chip, 8 Minutes



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